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PTO/SB/05 (4/98)  
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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|   |                                 |  |  |
|---|---------------------------------|--|--|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>(Only for new non-provisional applications under 37 C.F.R. § 1.53(B))</small>   |                                 | Attorney Docket No. <b>S104.12-0046/STL 11270</b>  |  |
|   |                                 | First Inventor or Application Identifier <b>Hwaliang Ng</b>  |  |
|   |                                 | Title <b>ALIGNING SERVO PATTERNS ON DIFFERENT DISC SURFACES OF A DISC PACK</b>   |  |
|   |                                 | Express Mail Label No. <b>EV241978953US</b>  |  |
| <b>APPLICATION ELEMENTS</b><br><small>See MPEP chapter 600 concerning utility patent application contents.</small>  |                                 | <b>Address To:</b><br><b>Mail Stop Patent Application<br/>Commissioner for Patents<br/>P.O. Box 1450<br/>Alexandria, VA 22313-1450</b>   |  |
| <div>1. <input checked="" type="checkbox"/> *Fee Transmittal Form e.g., PTO/SB17<br/><small>(Submit an original and a duplicate for fee processing)</small></div> <div>2. <input type="checkbox"/> Applicant Claims small entity status</div> <div>3. <input checked="" type="checkbox"/> Specification <span style="float: right;">[Total Sheets <b>18</b>]</span><br/><small>(preferred arrangement set forth below)</small><ul style="list-style-type: none"><li>- Descriptive title of the Invention)</li><li>- Cross References to Related Applications</li><li>- Statement Regarding Fed sponsored R &amp; D</li><li>- Reference to Microfiche Appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul></div> <div>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. § 113) <span style="float: right;">[Total Sheets <b>7</b>]</span></div> <div>5. Oath or Declaration <span style="float: right;">[Total Sheets <b>2</b>]</span><div>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</div><div>b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d))<br/><small>(for continuation/divisional with Box 18 completed)</small><div>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§1.63(d)(2) and 1.33(b).</div></div></div> <div>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</div> |                                 | <div>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer program (Appendix)</div> <div>8. Nucleotide and/or Amino Acid Sequence Submission<br/><small>(If applicable, all necessary)</small><div>a. <input type="checkbox"/> Computer Readable Copy</div><div>b. Specification Sequence Listing on:<div>i. <input type="checkbox"/> CD-ROM or CD-R (2 Copies); or</div><div>ii. <input type="checkbox"/> Paper</div></div><div>c. <input type="checkbox"/> Statement verifying identity of above copies</div></div> |  |
| <b>ACCOMPANYING APPLICATION PARTS</b>   |                                 |  |  |
| <div>9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</div> <div>10. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney<br/><small>(when there is an assignee)</small></div> <div>11. <input type="checkbox"/> English Translation Document (if applicable)</div> <div>12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO – 1449 <input type="checkbox"/> Copies of IDS Citations</div> <div>13. <input type="checkbox"/> Preliminary Amendment</div> <div>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br/><small>(Should be specifically itemized)</small></div> <div>15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br/><small>(if foreign priority is claimed)</small></div> <div>16. <input type="checkbox"/> Nonpublication Request Under 35 USC 122<br/><small>(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent</small></div> <div>17. <input type="checkbox"/> Other:</div>  |                                 |  |  |
| <div>18. If a <b>CONTINUING APPLICATION</b>, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:<div><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation –in part (CIP) of prior application No: _____ / _____</div><div>Prior application information: Examiner _____ Group/Art Unit: _____</div><div><b>FOR CONTINUATION or DIVISIONAL APPS only:</b> The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.</div></div>   |                                 |  |  |
| <b>17. CORRESPONDENCE</b>   |                                 |  |  |
| <div><input type="checkbox"/> Customer Number or Bar Code Label <span style="border: 1px solid black; display: inline-block; width: 200px; height: 30px; vertical-align: middle;"></span> or <input checked="" type="checkbox"/> Correspondence address below</div> <div style="text-align: center;"><small>(Insert Customer No. or Attach bar code label here)</small></div>   |                                 |  |  |
| Name <b>Mitchell K. McCarthy</b><br><b>Seagate Technology LLC</b>   |                                 |  |  |
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|                                       |   |
|---------------------------------------|---|
| Name (Print/type) <b>Alan G. Rego</b> | Registration No. (Attorney/Agent) <b>45,956</b> |
| Signature                             | Date <b>12/9/03</b>                             |

120903

17364 U.S. PTO

# FEE TRANSMITTAL

Complete if Known

|                      |   |
|----------------------|---|
| Application No.      |   |
| Filing Date          | Herewith  |
| First Named Inventor | Hwaliang Ng   |
| Title                | ALIGNING SERVO PATTERNS ON DIFFERENT DISC SURFACES OF A DISC PACK |
| Group Art Unit       |   |
| Examiner Name        |   |
| Atty. Docket Number  | S104.12-0046/STL 11270  |

Total Amount of Payment \$ 770

## METHOD OF PAYMENT (Check One)

1. ☒ The Director is hereby authorized to charge any additional fee required under 37 C.F.R. § 1.16 and 1.17, including any petition fee, and credit any over payments to Deposit Account No. 23-1123.  
Westman, Champlin & Kelly, P.A.

2. ☒ Check Enclosed

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity        |          | Small Entity |          | Fee Description  |
|---------------------|----------|--------------|----------|--|
| Code                | Fee (\$) | Code         | Fee (\$) |  |
| 1001                | 770      | 2001         | 385      | <input checked="" type="checkbox"/> Utility Filing Fee |
| 1002                | 340      | 2002         | 170      | <input type="checkbox"/> Design Filing Fee             |
| 1004                | 770      | 2004         | 385      | <input type="checkbox"/> Reissue Filing Fee            |
| 1005                | 160      | 2005         | 80       | <input type="checkbox"/> Prov. Filing Fee              |
| Subtotal (1) \$ 770 |          |              |          |  |

### 2. EXTRA CLAIM FEES

|        | Number Claims | Prior** | Extra | Fee from Below | Fee Paid |
|--------|---------------|---------|-------|----------------|----------|
| Total  | 20            | 20      | 0     | 18             | 0        |
| Indep. | 3             | 3       | 0     | 86             | 0        |

Multiple Dependent Claims

\*\* Insert 3 and 20, or number previously paid if greater; Reissue see below

| Large Entity |          | Small Entity |          | Description   |
|--------------|----------|--------------|----------|---|
| Code         | Fee (\$) | Code         | Fee (\$) |   |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                  |
| 1201         | 86       | 2201         | 43       | Independent claims in excess of 3                       |
| 1203         | 290      | 2203         | 145      | Multiple Dependent Claims                               |
| 1204         | 86       | 2204         | 43       | Reissue Independent Claims over Original Patent         |
| 1205         | 18       | 2205         | 9        | Reissue claims in excess of 20 and over original patent |

Subtotal (2) \$ 0

## FEE CALCULATION (Continued)

### 3. ADDITIONAL FEES

| Large Entity |          | Small Entity |          | Fee Description  | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Code         | Fee (\$) | Code         | Fee (\$) |  |          |
| 1051         | 130      | 2051         | 65       | Surcharge - Late filing fee or oath  |          |
| 1052         | 50       | 2052         | 25       | Surcharge - Late provisional Filing Fee or cover sheet                     |          |
| 1053         | 130      | 1053         | 130      | Non-English specification  |          |
| 1812         | 2,520    | 1812         | 2,520    | For Filing a Request for Reexamination. (ex parte)                         |          |
| 1251         | 110      | 2251         | 55       | Extension for reply within first month                                     |          |
| 1252         | 420      | 2252         | 210      | Extension for reply within second month                                    |          |
| 1253         | 950      | 2253         | 475      | Extension for reply within third month                                     |          |
| 1254         | 1,480    | 2254         | 740      | Extension for reply within fourth month                                    |          |
| 1255         | 2,010    | 2255         | 1,005    | Extension for reply within fifth month                                     |          |
| 1402         | 330      | 2402         | 165      | Filing a brief in support of an appeal                                     |          |
| 1403         | 290      | 2403         | 145      | Request for oral hearing   |          |
| 1814         | 110      | 2814         | 55       | Terminal Disclaimer Fee  |          |
| 1452         | 110      | 2452         | 55       | Petition to Revive - unavoidable   |          |
| 1453         | 1,330    | 2453         | 665      | Petition to Revive - unintentional   |          |
| 1501         | 1,330    | 2501         | 665      | Utility/Reissue issue fee (inc. advance copies)                            |          |
| 1502         | 480      | 2502         | 240      | Design issue fee (inc. advance copies)                                     |          |
| 1460         | 130      | 1460         | 130      | Petitions to the Commissioner  |          |
| 1807         | 50       | 1807         | 50       | Petitions related to provisional applications                              |          |
| 1806         | 180      | 1806         | 180      | Submission of Information Disclosure Statement                             |          |
| 8021         | 40       | 8021         | 40       | Recording each patent assignment per property (times number of properties) |          |

Other Fee (specify) \_\_\_\_\_

Subtotal (3) \$

Signature

(Alan G. Rego)

Reg. No. 45,956

Date

12/9/03

Deposit Account No. 23-1123